



AMENDMENTS

IN THE SPECIFICATION:

Please ~~amend~~ the specification as follows:

On page 3, line 31, following "Figure 1", please ~~insert~~ --(SEQ ID NO:1)--.

On page 3, line 31, following "Figure 2", please ~~insert~~ --(SEQ ID NO:2)--.

On page 3, line 35, following "Figure 1", please ~~insert~~ --(SEQ ID NO:1)--.

On page 3, line 36, following "Figure 2", please ~~insert~~ --(SEQ ID NO:2)--.

On page 4, line 4, following "Figure 1", please ~~insert~~ --(SEQ ID NO:1)--.

On page 4, line 4, following "Figure 2", please ~~insert~~ --(SEQ ID NO:2)--.

On page 12, line 33, following "Figure 1", please ~~insert~~ --(SEQ ID NO:1)--.

On page 13, line 20, following "Figure 1", please ~~insert~~ --(SEQ ID NO:1)--.

On page 13, line 23, following "Figure 1", please ~~insert~~ --(SEQ ID NO:1)--.

On page 13, line 28, following "Figure 1", please ~~insert~~ --(SEQ ID NO:1)--.

On page 13, line 28, following "Figure 2", please ~~insert~~ --(SEQ ID NO:2)--.

On page 13, line 32, following "Figure 1", please ~~insert~~ --(SEQ ID NO:1)--.

On page 13, line 33, following "Figure 2", please ~~insert~~ --(SEQ ID NO:2)--.

On page 13, line 36, following "Figure 1", please ~~insert~~ --(SEQ ID NO:1)--.

On page 14, line 2, following "Figure 1", please ~~insert~~ --(SEQ ID NO:1)--.

On page 14, line 3, following "Figure 2", please ~~insert~~ --(SEQ ID NO:2)--.

On page 16, line 14, following "Figure 1", please ~~insert~~ --(SEQ ID NO:1)--.

On page 16, line 14, following "or 2", please ~~insert~~ --(SEQ ID NO:2)--.

On page 24, line 35, following "235,033 bp", please ~~insert~~ --(SEQ ID NO:1)--.

On page 25, line 1, following "(Figure 2)", please ~~insert~~ --(SEQ ID NO:2)--.

On page 25, line 4, following "Figure 1)", please ~~insert~~ --(SEQ ID NO:1)--.

On page 26, line 11, please ~~delete~~ "(SEQ ID NO:3)".

On page 26, line 11, following "CAAT", please ~~insert~~ --(SEQ ID NO:3)--.

On page 26, line 20, please ~~delete~~ "(SEQ ID NO:4)".

On page 26, line 20, following "AGGT", please ~~insert~~ --(SEQ ID NO:4)--.

On page 26, line 31, please delete "(SEQ ID NO:5)".

On page 26, line 31, please delete "(SEQ ID NO:6)".

On page 26, line 31, before ", and REV:", please ~~insert~~ --(SEQ ID NO:5)--.

On page 26, line 32, before "were used to", please ~~insert~~ --(SEQ ID NO:6)--.

On page 27, line 6, following "(Figure 2)", please ~~insert~~ --(SEQ ID NO:2)--.

On page 27, line 8, following "(Figure 1)", please ~~insert~~ --(SEQ ID NO:1)--.

On page 27, line 12, following "(Figure 1)", please ~~insert~~ --(SEQ ID NO:1)--.

On page 28, line 15, please delete "(SEQ ID NOS:7-8)".

On page 28, at the end of line 17, please ~~insert~~ --(SEQ ID NO:7)--.

On page 28, at the end of line 18, please ~~insert~~ --(SEQ ID NO:8)--.

On page 28, line 21, please delete "(SEQ ID NOS:9-10)".

On page 28, at the end of line 23, please ~~insert~~ --(SEQ ID NO:9)--.

On page 28, at the end of line 24, please ~~insert~~ --(SEQ ID NO:10)--.

On page 28, at the end of line 28, please ~~insert~~ --(SEQ ID NO:11)--.

On page 28, line 36, please delete "(SEQ ID NO:11)".

On page 29, line 1, please delete "(SEQ ID NOS:12-13)".

On page 29, at the end of line 3, please ~~insert~~ --(SEQ ID NO:12)--.

On page 29, at the end of line 4, please insert ~~insert~~ --(SEQ ID NO:13)--.

On page 29, line 6, please delete "(SEQ ID NOS:14-15)".

On page 29, at the end of line 8, please insert ~~insert~~ --(SEQ ID NO:14)--.

On page 29, at the end of line 9, please insert ~~insert~~ --(SEQ ID NO:15)--.

On page 29, line 11, please delete "(SEQ ID NO:16)".

On page 29, at the end of line 12, please insert ~~insert~~ --(SEQ ID NO:16)--.

In Table 1, on page 1, line 1, please delete "(SEQ ID NOS:17-24)".

After page 29, please delete ~~delete~~ the Sequence Listing on pages 30 through 267 and replace it with the substitute Sequence Listing submitted herewith on pages 38 through 276.

Please renumber pages 268-272 as 277-281, respectively.

After page 29, please insert Table 1 as pages 30-34 and please insert Table 2 as pages 35-37.

Following insertion of Table 1, on page 30, before line 1, please insert --Table 1A.

Polymorphic Sites in the HH Region.--.

Following insertion of Table 1, on page 31, before line 1, please insert --Table 1B.

Polymorphic Sites in the HH Region.--.

Following insertion of Table 1, on page 32, before line 1, please insert --Table 1C.

Polymorphic Sites in the HH Region.--.

Following insertion of Table 1, on page 33, before line 1, please insert --Table 1D.

Polymorphic Sites in the HH Region.--.

Following insertion of Table 1, on page 34, before line 1, please insert --Table 1E.

Polymorphic Sites in the HH Region.--.

Following insertion of Table 1 and Table 2, on page 35, before line 1, please insert --
Table 2A. Polymorphic Allele Frequencies.--.

Following insertion of Table 1 and Table 2, on page 36, before line 1, please insert --
Table 2B. Polymorphic Allele Frequencies.--.

Following insertion of Table 1 and Table 2, on page 37, before line 1, please insert --
Table 2C. Polymorphic Allele Frequencies.--.

Following insertion of Table 1, on page 30, line 18, following "DEL", please insert --
(SEQ ID NO:17)--.

Following insertion of Table 1, on page 30, line 39, following "DEL", please insert --
(SEQ ID NO:18)--.

Following insertion of Table 1, on page 32, line 16, following "INS", please insert --
(SEQ ID NO:19)--.

Following insertion of Table 1, on page 32, line 20, following "INS", please insert --
(SEQ ID NO:20)--.

Following insertion of Table 1, on page 32, line 35, following "INS", please insert --
(SEQ ID NO:21)--.

Following insertion of Table 1, on page 32, line 38, following "INS", please insert --
(SEQ ID NO:22)--.

Following insertion of Table 1, on page 33, line 9, following "INS", please insert --
(SEQ ID NO:23)--.

Following insertion of Table 1, on page 33, line 25, following "INS", please insert --
(SEQ ID NO:24)--.